INDEX TO VOLUME 77 (1980)

Articles are listed by title (italicized), author and subject matter, all together in alphabetical order. Each listing concludes with date of issue and page number. For example, O/N 80(6); 35 means Oct./Nov. 1980 No. 6, page 35.

A

Absorption air conditioner O/N 80(6);53
Active Solar Energy Systems F/M 80(2);26
AEE Constitution and Bylaws A/M 80(3);7
J/J 80(4);11
AEE Directory—1980 A/M 80(3);9
J/J 80(4);10
AEE, history A/M 80(3);3
membership A/M 80(3);5
organization A/M 80(3);4
programs A/M 80(3);3
services A/M 80(3);3
AEE Specifier Survey J/J 80(4);8
AEE's Salary Survey F/M 80(2);17
Air pollution, indoor A/S 80(5);13
Air-to-air heat exchangers A/S 80(5);14
A Member's Guide to AEE A/M 80(3);3
J/J 80(4);10
Artificial Photosynthesis Spurs Use of Solar D/J 79(1);59
ASME Efficiency Summary Sheet A/S 80(6);35

B

Bakery ovens A/M 80(3);58
Biomass, in gasifiers A/M 80(3);24
Blendermann, Louis, *Rainwater Buildup on Roofs* F/M 80(2);47
Boiler efficiency A/S 80(5);32
Boilers, industrial steam A/M 80(3);53
Brayton engine, in cogeneration A/M 80(3);21
Building Doubles; Gas Usage Stays the Same D/J 79(1);45
Buildings, historic D/J 79(1);5
industrial, and lighting A/M 80(3);60
public, data management issues of energy use J/J 80(4);50

C

Centrifugal Pump Basics, George A. Israel, Jr. A/S 80(5);19
Cogeneration, DOE's program A/M 80(3);20
economic potential A/M 80(3);17
technical potential A/M 80(3);16
Cogeneration—What's Ahead?, Alan J. Streb A/M 80(3);11
Collector array performance, solar F/M 80(2);29
The Combustion Audit, S. C. Wood A/S 80(5);32
Combustion efficiency, in energy conservation F/M 80(2);43:A/S 80(5);32
Commercial, energy costs & management survey J/J 80(4);8
Conservation, energy (see also, heat recovery) F/M 80(2);14, 40, 43, 45
Construction concerns in solar F/M 80(2);22
Construction Costs in Commercial Solar, Thomas A. King and John B. Carlock III D/J 79(1);11
Consumers, and utilities J/J 80(4);14
Cooling, solar O/N 80(6);53

D

Data management issues, energy use in public buildings J/J 80(4);50
Design and construction concerns, in solar F/M 80(2);22
DOE, cogeneration program A/M 80(3);20
fuel cell program A/M 80(3);21

E

Effects of Fuel Escalation on Life Cycle Costing, Rudolph R. Yanuck A/S 80(5);15
Energy analysis questionnaires D/J 79(1);47
Energy Audit Case Study for Hospitals, Robert D. Rinehart J/J 80(4);38
Energy Audit Update, Proceedings of the Second Energy Audit Symposium, March 6-7, 1980, Atlanta, Part One J/J 80(4);13
Energy audits J/J 80(4);15
F/M 80(2);44, 45
Energy automation, industrial O/N 80(6);15
Energy conservation, cleaning, repairing, modernization for energy saving D/J 79(1);39
Fairmont Hotel, San Francisco F/M 80(2);40
Industrial Waste Heat Recovery—A Case in Point, Gosta R. Trueddson F/M 80(2);14
Wisconsin, State of F/M 80(2);43, 45
Energy Conservation Audit Programs, Robert Hamby J/J 80(4);33
Energy Consultants Survey A/S 80(5);11

Energy costs, industrial/commercial survey J/J 80(4);8
Energy education F/M 80(2);41
Energy management, surveys J/J 80(4);8
utilities J/J 80(4);16:F/M 80(2);42
Energy, Solar, see Solar energy
Energy Trends in the United Kingdom,
Peter Jonas D/J 79(1);58
Energy Use in Public Buildings: Data Management Issues,
Eric Hirst J/J 80(4);50
Estimated Taxes for the Self-Employed,
Paul Goodman F/M 80(2);56

F

Federal regulation of utilities J/J 80(4);17
Feledey, Chuck, *United Technologies' Energy Analysis Questionnaire* D/J 79(1);47
Flesher, Dr. Dale, *New Tax Law for Historic Buildings Enhances Opportunities for Building Team* D/J 79(1);5
Foundry, iron, heat recovery in F/M 80(2);14
Fuel storage F/M 80(2);53
The Future for Solar Cooling,
James M. Stanfield O/N 80(6);53

G

Gas turbine technology, in cogeneration A/M 80(3);21
Gasifiers for Biomass Feedback, T. B. Reed, D. E. Jantzen, W. P. Corcoran A/M 80(3);24
Georgia Power D/J 79(1);44
Glass plants, industrial surveys of A/M 80(3);57
Goodman, Paul, *Estimated Taxes for the Self-Employed* F/M 80(2);56

H

Hamby, Robert, *Energy Conservation Audit Programs* J/J 80(4);33
Heat recovery, in cogeneration A/M 80(3);11
industrial waste F/M 80(2);14
Historic preservation D/J 79(1);5
Home Insulation Program, TVA J/J 80(4);33
Hospital, solar heating for D/J 79(1);1
and energy audits J/J 80(4);38
How Goes the Solar Program?,
Thomas S. Hill F/M 80(2);21
How Much Insulation for Retrofit?,
Robert D. Rinehart A/M 80(3);32
The Human in Energy Management, O/N 80(6);10
Hydraulics, of centrifugal pumps O/N 80(6);19

I

Index to V. 76 (1979) D/J 79(1);61
Industrial energy management O/N 80(6);10
Industrial energy surveys A/M 80(3);53
Industrial Waste Heat Recovery—A Case in Point, Gosta R. Trueddson F/M 80(2);14:A/M 80(3);64
Insulation
prefabricated panel construction system D/J 79(1);45
cost effectiveness study in Wisconsin F/M 80(2);45
economic thickness of A/M 80(3);32

J

Jonas, Peter, *Energy Trends in the United Kingdom* D/J 79(1);58

K

Kilns, rotary, industrial surveys A/M 80(3);58
King, Thomas A.; Carlock, John B., III, *Construction Costs in Commercial Solar* D/J 79(1);11
Koral, Richard L., *Round Tables Make Good Seminars* A/M 80(3);61

L

Leaks, industrial (air, water, steam) A/S 80(5);19
LeMay, Robert C., *What 300 Industrial Surveys Show* A/M 80(3);53
Life cycle costing A/S 80(5);15
Lighting audits, industrial A/S 80(5);29
Lighting, industrial O/N 80(6);16
Lighting, industrial surveys A/M 80(3);60
Load Cycling, in utility management D/J 79(1);41
Lopez, Adolph Gus, *Utilities in Energy Management* J/J 80(4);16

M

Maintenance in commercial solar D/J 79(1);38
Managing an Effective Leak Sealing Program, William H. Rinz A/S 80(5);19
Metal heat treating plants, industrial surveys A/M 80(3);56
Minnesota, energy consumption in public buildings J/J 80(4);50

N

National Solar Data Program D/J 79(1);11:F/M 80(2);21
New Tax Law for Historic Buildings Enhances Opportunities for Building Team,

Dr. Dale L. Flesher, CPA D/J 79(1);5
Noise reduction, as a result of leak sealing A/S 80(5);25

O

Operation and maintenance, DOE's solar program F/M 80(2);24
Owens-Corning Energy Conservation Awards F/M 80(2);36

P

Passive solar energy systems F/M 80(2);28
Perfect Record Ups Use of Special Steel Tank for Underground Fuel and Liquid Storage F/M 80(2);33
Photosynthesis, artificial, in solar D/J 79(1);59
Plant maintenance seminars A/M 80(3);61
Pollution control, as result of leak sealing A/S 80(5);26
Prefabricated panel construction system D/J 80(1);45
Pumps, centrifugal O/N 80(6);19

R

Rainwater Buildup on Roofs, Louis Blendermann F/M 80(2);47
Rankine engines, in cogeneration A/M 80(3);21
Reed, T. B. et al, *Gasifiers for Biomass Feedback* A/M 80(3);24
Residential Conservation Fact Sheet (RCS) J/J 80(4);14
Residential programs, utilities J/J 80(4);17
Rinehart, Robert D., *Energy Audit Case Study for Hospitals* J/J 80(4);38
How Much Insulation for Retrofit? A/M 80(3);32
Roofs, rainwater buildup on F/M 80(2);47

S

Salaries, of engineers F/M 80(2);17
Solar energy, Active systems F/M 80(2);26
Collector array performance F/M 80(2);29
Construction costs in commercial D/J 79(1);11
Cooling O/N 80(6);53
Design and construction concerns in F/M 80(2);22
DOE's program F/M 80(2);21
How Goes the Solar Program?, Thomas S. Hill F/M 80(2);21
Maintenance in commercial D/J 79(1);38
Passive systems F/M 80(2);28
Photosynthesis, and D/J 79(1);59
System performance F/M 80(2);31
With DOE's Help, Hospital Fights Inflation By Installing Solar Heating System D/J 79(1);1
Sprucing Up Old Building is Paid by Energy Cuts D/J 79(1);38
Steam boilers, industrial survey A/M 80(3);53
Steam distribution and use, industrial A/M 80(3);54
Steel industry, survey A/M 80(3);54
Streb, Alan J., *Cogeneration—What's Ahead?* A/M 80(3);11

T

Taxes
Estimated Taxes for the Self-Employed, Paul Goodman F/M 80(2);56
New Tax Law for Historic Buildings Enhances Opportunities for Building Team, Dr. Dale Flesher D/J 79(1);5
Tight Houses Pose Pollution Threat A/S 80(5);13
Trueddson, Gosta R., *Industrial Waste Heat Recovery—A Case in Point* F/M 80(2);14:A/M 80(3);64

U

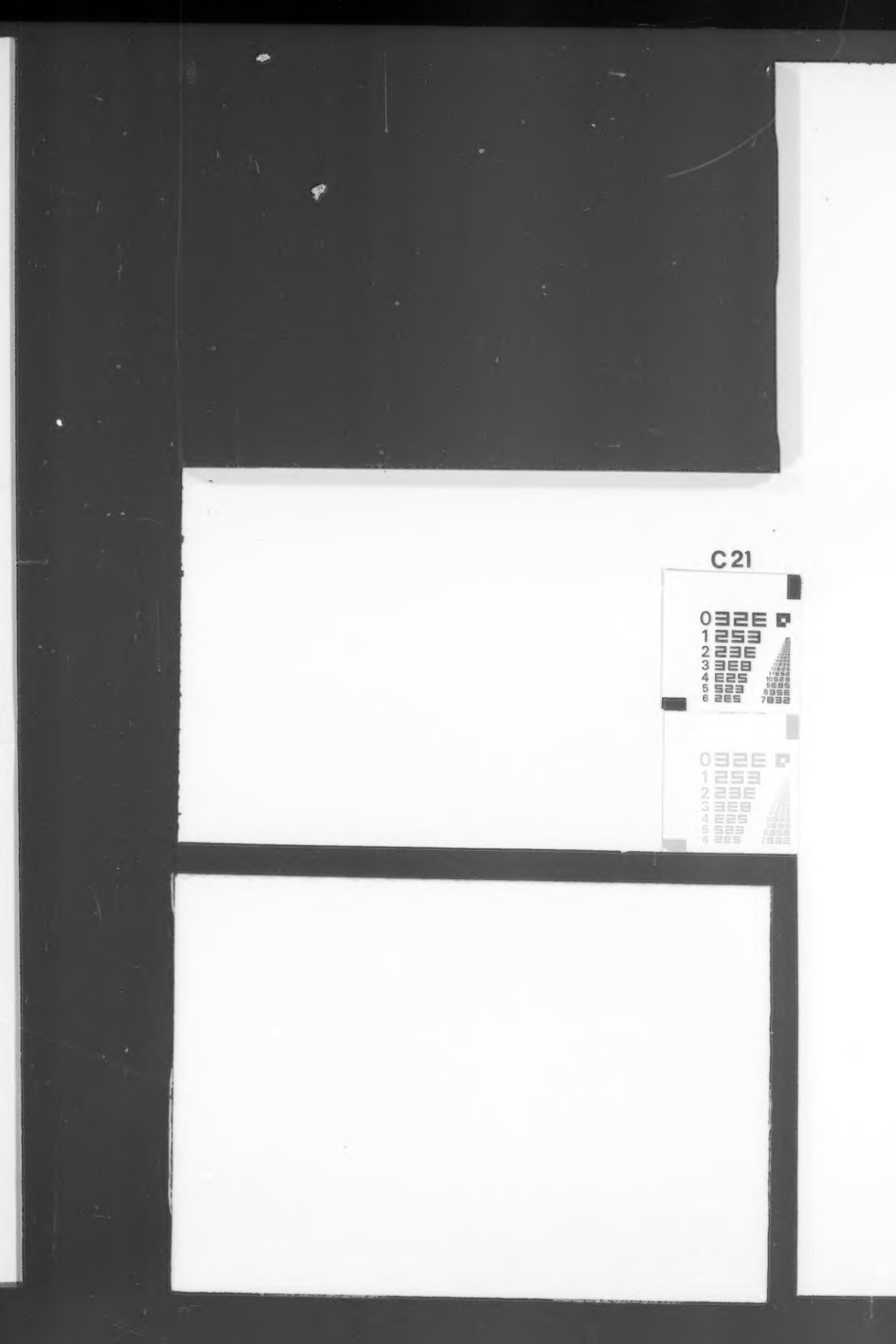
United Kingdom, energy trends in D/J 79(1);58
United Technologies' Energy Analysis Questionnaires, Chuck Feledy D/J 79(1);47
University of Wisconsin's Energy Technology Center F/M 80(2);41
Utilities, Federal regulation of services, etc. J/J 80(4);14
Utilities in Energy Management, Adolph Gus Lopez J/J 80(4);16
Utility Load Management D/J 79(1);41

V

Vitreous enameling furnaces, industrial surveys A/M 80(3);57

W

What 300 Industrial Surveys Show, Robert C. LeMay A/M 80(3);53
With DOE's Help, Hospital Fights Inflation by Installing Solar Heating System D/J 79(1);1


C21